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PATENT ABSTRACTS OF JAPAN(21) Application number: **09326033**(51) Intl. Cl.: **G11C 16/02**(22) Application date: **27.11.97**

(30) Priority:		(71) Applicant: SHARP CORP
(43) Date of application publication:	18.06.99	(72) Inventor: FUKUMOTO KATSUMI
(84) Designated contracting states:		(74) Representative:

**(54) NONVOLATILE
SEMICONDUCTOR
STORAGE DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a nonvolatile semiconductor storage device which permits a user to intentionally execute a refresh operation and reliable refresh.

SOLUTION: The storage device comprises a command state machine 6 which interprets an input refresh command and sends the interpreted result to a write state machine 1. This machine 1 executes the refresh according to the interpretation result. This storage device can execute the refresh at any time by setting a refresh command. Therefore, refresh is easy, thus providing a storage device easy to use.

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